

ABSTRACT

Method of forming building materials mostly consisting of magnesium oxide. The method comprises the steps of mixing magnesium oxide powder with at least one of vegetable powder, vegetable fiber, mineral powder, and mineral fiber in a predetermined mixing ratio to produce an admixture; adding water to the admixture to produce a wet powdered admixture; inserting the wet powdered admixture into a frame mold assembly of a molding machine consisting of a frame mold and a preheated lower mold and heating and compressing the wet powdered admixture using an upper mold and hardening the admixture; and releasing a resulting product from the molding machine. The method is advantageous in that the building materials have an excellent strength and fire retardant, do not emit a poisonous gas at all during their combustion, and can be inexpensively produced in commercial quantity because the building materials can be produced by an injection and an extrusion molding.